(4/10/2008) OGMCOAL - Crandall mine water discharge - lab report for April 1 sample and trend/compliance information

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From:

"Karla Knoop" <kknoop@jbrenv.com>

To:

"Shaver, Dave" <dshaver@coalsource.com>, "'Jeffrey Studenka" <jstuden...

Date:

4/9/2008 1:06 PM

Subject:

Crandall mine water discharge - lab report for April 1 sample and trend/compliance

information

Attachments:

Crandall 2008 UPDES compliance.xls; Crandall 2008 wq trends.xls; Crandall 0

02 April 1 08.pdf

All,

Please see attached Crandall Canyon mine water discharge laboratory results for the sample taken Tuesday, April 1st. Excel files showing trends and UPDES permit compliance are also attached.

Regards,

Karla Knoop, Hydrologist

jbr Environmental Consultants, Inc.

phone (435) 637-9645

fax (435) 637-8679

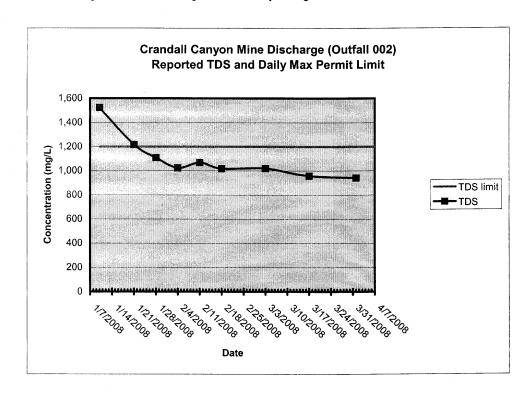
<mailto:kknoop@jbrenv.com> kknoop@jbrenv.com

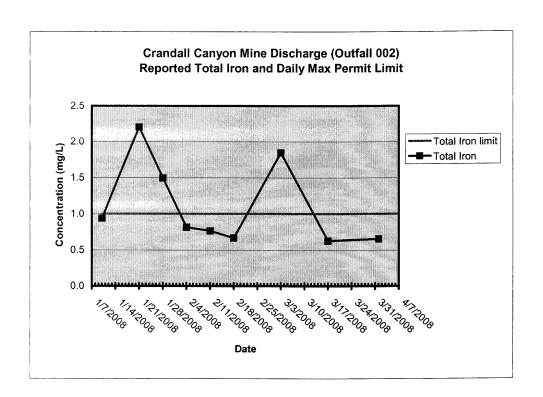
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UtahAmerican Energy, Inc., Genwal Resources, Inc., Crandall Canyon Mine In-mine Groundwater Discharge Comparison of 2008 Data with UPDES Daily Maximum Permit Effluent Limitations (mg/L)

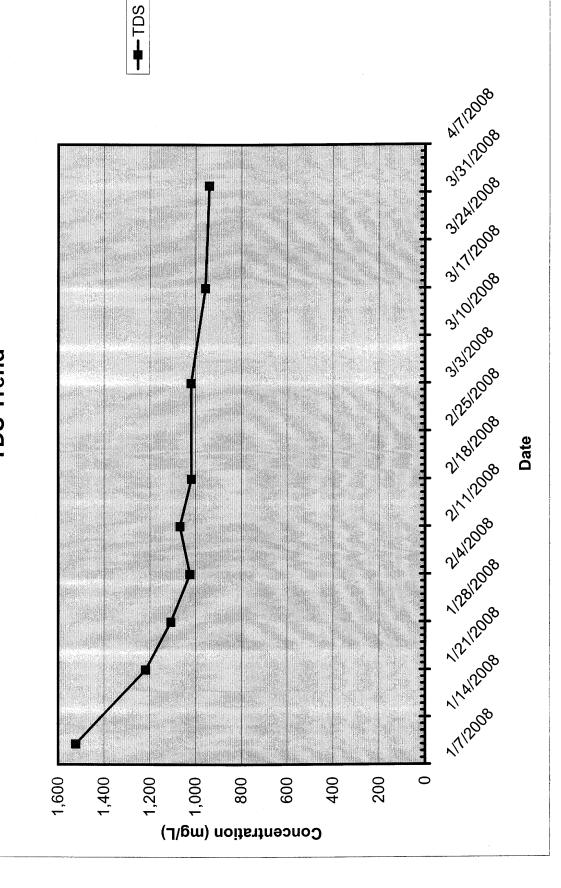
Date	Outfall	TDS		TSS		Fe (tot)		Oil & Grease	
		Limit	Reported	Limit	Reported	Limit	Reported	Limit	Reported
10-Jan-08	002	1,200	1,523	70	6	1.0	0.937	10	<5
21-Jan-08	002	1,200	1,218	70	10	1.0	2.204	10	<5
28-Jan-08	002	1,200	1,108	70	12	1.0	1.494	10	<5
4-Feb-08	002	1,200	1,025	70	4	1.0	0.815	10	<5
11-Feb-08	002	1,200	1,068	70	<4	1.0	0.765	10	<5
18-Feb-08	002	1,200	1,018	70	<4	1.0	0.668	10	
3-Mar-08	002	1,200	1,019	70	35	1.0	1.846	10	
17-Mar-08	002	1,200	957	70	4	1.0	0.626	10	
1-Apr-08	002	1,200	941	70	4	1.0	0.653	10	<5
7-Apr-08	002	1,200		70		1.0		10	
14-Jan-08	001	1,200	1,687	70	10	1.0	0.758	10	<5

- Note 1: 14-Jan-08 sample is discharge from the sediment pond. It was influenced by water previously retained in pond as well as in-mine groundwater that had flowed overland to the pond.
- Note 2: In addition to the TDS daily maximum limit of 1,200 mg/L, the permit also has a limit of 500 mg/L for TDS 30-day average, and Genwal participates in a salinity offset program to ensure that this limit is in compliance.
- Note 3: In addition to the TSS daily maximum limit of 70 mg/L, the permit also has limit of 25 mg/L for TSS 30-day average and a limit of 35 mg/L for TSS 7-day average.





Crandall Canyon Mine Discharge (Outfall 002)





General Offices: P.O. Box 995 Price, UT. 84501 (435)637-8855

Laboratory: 65 North 300 East Price, UT. 84501

Cond. uS

1279

Notes:

Report Date 4/9/2008

Temp. C

9.7

Client

UtahAmerican Energy Inc.

593

Genwal Resources, Inc.

PO Box 1077 Price, UT. 84501

Dave Shaver (435)888-4017

Lab I.D. #:

Sample I.D. 002 Sampled By:

Date: 4/1/2008

Time: 11:45 Received

KDK

Time: 4/1/2008 12:45

Date:

Mine Code 08

Site Code

40

Field Measurements

pН 8.09 D.O. ppm Turbidity NTU

10.4

Certificate of Analysis

Analyte	Results	Units	MRL	Method	Date	Time	Analyst
Wet Chem.							
Oil & Grease	<5	mg/L	5	EPA 413.1	4/1/2008	13:31	SB
Solids, Total Dissolved	941	mg/L	0.010	EPA 200.7	4/2/2008	15:57	SB
Solids, Total Suspended	4	mg/L	0.010	EPA 200.7	4/2/2008	15:57	SB
Metals by ICP							
Aluminum, Dissolved	0.14	mg/L	0.02	EPA 200.7	4/3/2008	12:24	SB
Iron, Dissolved	0.027	mg/L	0.010	EPA 200.7	4/3/2008	12:24	SB
Iron, Total	0.653	mg/L	0.010	EPA 200.7	4/8/2008	18:23	SB
Nickel, Dissolved	0.086	mg/L	0.003	EPA 200.7	4/3/2008	12:24	SB
Zinc, Dissolved	0.153	mg/L	0.005	EPA 200.7	4/3/2008	12:24	SB

